

Appl. No. 10/605,008
Amdt. dated July 03, 2006
Reply to Office action of April 04, 2006

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Original) A method for processing error control for a seeking servo of an optical disk drive comprising following steps:

- calculating a "track on" time when the control of a pickup head is switched from a seeking servo system to a tracking servo system;
- 5 moving the pickup head to the center of a movable range when the "track on" process is not completed in a predetermined time; and
- switching control of the pickup head to the tracking servo system.

2. (Currently Amended) The method according to claim 1, ~~when control of the pickup head is switched wherein switching control of the pickup head~~ from the seeking servo system to the tracking servo system is determined by an 'On Track' signal.

3. (Currently Amended) The method of claim 1, wherein a center servo control system is provided to move the pickup head to the center of the movable range.

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4. (Currently Amended) The method of claim 1, wherein the pickup head oscillates at a natural frequency and moves to the center of the movable range by natural damping.

5. (Original) A method for processing error control for a seeking servo of an optical disk drive comprising following steps:

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- detecting a center error signal when control of a pickup head is switched from a seeking servo system to a tracking servo system;
- moving the pickup head to the center of a movable range when the center error

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signal exceeds a predetermined value; and
switching control of the pickup head to the tracking servo system.

5 6. (Currently Amended) The method according to claim 5, ~~when control of the pickup head is switched wherein the switching control of the pickup head~~ from the seeking servo system to the tracking servo system is determined by an 'On Track' signal.

10 7. (Currently Amended) The method of claim 5, wherein a center servo control system is provided to move the pickup head to the center of the movable range.

8. (Currently Amended) The method of claim 5, wherein the pickup head oscillates at a natural frequency and moves to the center of the movable range by natural damping.